

June 18, 2025

Memorandum #2025-85

TO: HRTPO Long-Range Transportation Plan Subcommittee

BY: Dale M. Stith – Principal Transportation Planner

RE: HRTPO LRTP Subcommittee Meeting – June 24, 2025

Attached is the agenda with related materials for the Long-Range Transportation Plan (LRTP) Subcommittee meeting scheduled for **Tuesday, June 24, 2025 from 1:00 PM to 2:00 PM**. The meeting agenda includes an action item requesting the committee's recommendation to approve the proposed resiliency measures for the HRTPO Project Prioritization Tool to be used to evaluate candidate projects for the 2050 LRTP. The meeting will also include a brief update on the prioritization process and overall LRTP completion schedule, along with a final call for any outstanding data inputs.

This meeting will be held fully virtual. Please use the Microsoft Teams link or call in (audio only) information below to join the meeting:

Microsoft Teams

[Meeting Link](#)

Meeting ID: 256 866 957 850 1

Passcode: fn382Qy9

Call In (audio only)

+1 972-301-8039

Phone Conference ID: 762 238 246#

DS/se

Attachments

THE JUNE 24, 2025 LRTP SUBCOMMITTEE MEETING IS VIRTUAL.

Agenda

1. CALL TO ORDER
2. APPROVAL OF AGENDA **[ACTION ITEM]**
3. SUMMARY MINUTES OF MAY 7, 2025 LRTP MEETING **[ACTION ITEM]**
4. 2050 LRTP DRAFT RESILIENCY MEASURES **[ACTION ITEM]**
5. 2050 LRTP PROJECT PRIORITIZATION – STATUS UPDATE **[FEEDBACK ITEM]**
6. UPCOMING MEETING TOPICS AND ACTION ITEMS
7. FOR YOUR INFORMATION
8. OLD/NEW BUSINESS
9. NEXT MEETINGS
10. ADJOURNMENT

AGENDA ITEM #1: CALL TO ORDER

The meeting will be called to order by the Chair at approximately 1:00 PM.

AGENDA ITEM #2: APPROVAL OF AGENDA [ACTION ITEM]

Members are provided an opportunity to add or delete items from the agenda. Any item for which a member desires an action from the LRTP Subcommittee should be submitted at this time, as opposed to under "Old/New Business."

AGENDA ITEM#3: SUMMARY MINUTES OF MAY 7, 2025 [ACTION ITEM]

Summary minutes of the previous LRTP Subcommittee meeting are attached.

Attachment 3: May 7, 2025 Summary Minutes

AGENDA ITEM #4: 2050 LRTP PROJECT PRIORITIZATION: PROPOSED RESILIENCY ENHANCEMENTS [ACTION ITEM]

At the May 7, 2025 LRTP Subcommittee meeting, proposed enhancements to how resiliency is incorporated within the HRTPO Project Prioritization Tool were presented. Aligned with the 2050 LRTP commitment to strengthening resiliency considerations, these updates are designed to improve how projects are evaluated for their ability to withstand and adapt to future disruptions, such as flooding and storm events, by embedding refined, data-driven resiliency-related metrics throughout the tool to support a more holistic evaluation framework.

Key proposed metrics include:

- Trip loss and access to critical facilities during hazard events
- TAZ-level transportation benefits to vulnerable communities
- Return on investment (ROI) and regret-based scoring across future scenarios

In addition to the meeting discussion, Subcommittee members were invited to submit any further feedback by May 23, 2025. No additional feedback was received.

A 14-day public review period will be held from June 19 through July 2, 2025. The item is scheduled to be presented to TTAC and the HRTPO Board at their July meetings.

Dale Stith, Principal Transportation Planner, will brief the LRTP Subcommittee on this item.

Attachment 4: Proposed Resiliency Measures for the HRTPO Project Prioritization Tool

RECOMMENDED ACTION:

Recommend TTAC approval of the proposed resiliency enhancements for use in the HRTPO Project Prioritization Tool as part of the 2050 LRTP.

AGENDA ITEM #5: 2050 LRTP PROJECT PRIORITIZATION – STATUS UPDATE

[FEEDBACK ITEM]

HRTPO staff will provide an update on the 2050 LRTP project prioritization process and the overall LRTP completion schedule to ensure timely adoption. The update will also cover any remaining data input and coordination needs.

Dale Stith, Principal Transportation Planner, and Kyle Gilmer, Senior Transportation Planner, will brief the LRTP Subcommittee on this item.

RECOMMENDED ACTION:

Provide any outstanding data to HRTPO staff as requested.

AGENDA ITEM #6: UPCOMING MEETING TOPICS AND ACTION ITEMS

- Long-Range Transportation Revenue Forecast
- Identification of Regional Priority Projects
- 2050 LRTP Project Prioritization – Review of Draft Scores
- New Regional Travel Demand Model Kick-Off
- Upcoming 2050 LRTP Draft Reports (presented to TTAC)
 - LRTP Framework
 - Socioeconomic Forecast and TAZ Allocations
 - Regional Needs and Vulnerability Analysis

AGENDA ITEM #7: FOR YOUR INFORMATION

AGENDA ITEM #8: OLD/NEW BUSINESS

AGENDA ITEM #9: NEXT MEETINGS

- Prioritization 101 – July 9, 2025, 2:00 PM – 3:30 PM (in-person)
- August LRTP Subcommittee Meeting – August 6, 2025 (time and format TBD)

AGENDA ITEM #10: ADJOURNMENT

Action Summary
HRTPO Long-Range Transportation Plan (LRTP) Subcommittee Meeting
May 7, 2025
Hybrid Meeting

1. Call to Order

The meeting was called to order by Ms. Dale Stith, HRTPO Principal Transportation Planner, at 10:54 AM.

Members in Attendance:

Andi Kerley (CH)	Hank Morrison (VB)
Kevin Finn (CH)	Tevya Williams Griffin (WB)
Brian Lewis (GL)	Sherri Dawson (HRT)
Jamie Oliver (IW)	Angela Effah-Amponsah (VDOT)
Angela Hopkins (NN)	Keisha Wilkins (VDOT)
Angela Rico (NN)	Mariah David (VDOT)
Alan Budde (NO)	Mitzi Crystal (VDOT)
Thomas Cannella (PQ)	Todd Halacy (VDOT)
Megan Gribble (PO)	Ben Goodill (WATA)
Jason Souders (SU)	

Others in Attendance:

Karen McPherson (VHB)

HRTPO Staff in Attendance:

Dale M. Stith	Sam Belfield
Kyle A. Gilmer	Ben McFarlane
John Mihaly	Emma Corbitt
Keith Nichols	

2. Approval of Agenda [Action Item]

The agenda was unanimously approved as written (Motion: Mr. Alan Budde, Second: Mr. Kevin Finn).

3. Summary Minutes of February 5, 2025 LRTP Meeting [Action Item]

The LRTP Subcommittee Minutes from February 5, 2025 were unanimously approved as written (Motion: Mr. Kevin Finn, Second: Mr. Alan Budde).

4. 2050 LRTP DRAFT Fiscal Constraint Guidelines [Action Item]

Ms. Dale Stith, HRTPO Principal Transportation Planner, briefed the Subcommittee on the proposed Fiscal Constraint Guidelines for the 2050 LRTP. She explained that these guidelines are foundational to the fiscal constraint phase and help ensure the LRTP project selection process remains objective and consistent with regional goals. Ms. Stith discussed the Year-of-Expenditure (YOE) inflation rate of 3% and outlined the proposed planning timebands of Near-Term (2026-2034), Mid-Term (2035-2042), and Long-Term (2043-2050), with respective midpoint inflation factors. She also presented the draft Guiding Principles for Fiscal Constraint, which support transparency and a structured distribution of projected revenues. The Subcommittee unanimously approved the proposed YOE inflation rate, planning timebands, and Guiding Principles for Fiscal Constraint (Motion: Ms. Angela Rico, Second: Ms. Tevya Williams Griffin).

5. 2050 LRTP Project Prioritization: Proposed Resiliency Enhancements [Feedback Item]

Ms. Dale Stith presented an overview of proposed resiliency enhancements to the HRTPO Project Prioritization Tool. She described efforts to integrate resiliency across all three scoring components (Project Utility, Project Vitality, and Project Viability) rather than isolate it into a single factor. Ms. Stith emphasized the use of data outputs from the U.S. DOT Volpe Center's RDR Tool Suite, which supports scenario-based evaluations tied to flooding, storm surge, and infrastructure criticality. New and refined metrics include trip loss to critical facilities, vulnerability access, and scenario-based regret scoring. Members were asked to review the proposed measures and provide feedback by Friday, May 23, 2025.

6. 2050 LRTP Project Prioritization: Data Collection [Feedback Item]

Mr. Kyle Gilmer, HRTPO Senior Transportation Planner, provided an update on the ongoing data collection process for project prioritization. He reminded members that cost estimate data requests began in February and emphasized that timely submission of this information is necessary for candidate project scoring. Mr. Gilmer noted that staff will distribute the next set of data collection spreadsheets following the meeting, which will include highlighted fields that require locality and other stakeholder input. The spreadsheet will consist of pre-filled data from the 2045 LRTP where available. Members were asked to validate, update, and complete missing fields by Friday, May 30, 2025.

7. 2050 LRTP Greater Growth Scenarios Update

Ms. Dale Stith provided a detailed update on the Greater Growth Scenarios as part of the 2050 LRTP exploratory scenario planning efforts. She highlighted how the approved "greater" employment and population increases were applied to build out the scenarios beyond the 2050 Baseline. She then discussed the CommunityViz-based TAZ-level allocations and confirmed that the growth patterns were consistent with the Board-approved scenario narratives. Ms. Stith noted that model outputs from the travel demand and economic models confirmed the distinctiveness and robustness of each scenario. The results showed clear differences in travel behavior, system performance, and economic outcomes, supporting continued use of these scenarios in the 2050 LRTP.

8. Upcoming Meeting Topics and Action Items

Ms. Dale Stith reviewed the upcoming 2050 LRTP tasks and topics. She noted the kick-off of the new regional travel demand model and highlighted the continued work on identifying regional priority projects, reviewing prioritization data, and finalizing the revenue forecast. She also briefly mentioned several upcoming draft reports that will be presented to TTAC, including the 2050 LRTP Framework, Socioeconomic Forecast and TAZ Allocations, Regional Needs, and Vulnerability Analysis.

9. For Your Information

Ms. Stith noted that a doodle poll will be sent out following the meeting to schedule the Project Prioritization 101 Session.

10. Old/New Business

Mr. Kyle Gilmer provided an update on 2050 LRTP Committed Project status and changes, noted that two projects were identified by VDOT stakeholders to be included, one project was removed as Committed as the project is complete, and one project terminus was adjusted to reflect updates from the locality and VDOT stakeholders.

11. Next Meeting

The next LRTP Subcommittee meeting is tentatively scheduled for June 2025. The exact date and time will be confirmed and shared with Subcommittee members.

12. Adjournment

The meeting was adjourned by Ms. Dale Stith at 12:52 PM.

PROPOSED RESILIENCY PRIORITIZATION ENHANCEMENTS

Scoring Location		Draft Measure Name	Draft Scoring Language	Draft Scoring Tiers	Source
Project Utility	System Continuity / Resiliency - <u>new</u> measure	Minimize Trip-Loss During Disruptive Events	Project minimizes loss of trip-making under disruptive conditions (indicates project's importance for maintaining mobility/accessibility during disruptions).	High: ≥90% trips retained Medium: 75–89% Low: 50–74% No Points: <50% retained	Change in Trips (RDR Benefits Analysis Tool)
Project Utility	System Connectivity / Resiliency - <u>refine</u> current level of access to critical areas/facilities	Maintains Access to Critical Areas/Facilities During Disruptive Events	Project preserves access to essential services or facilities during hazard conditions.	High, Medium, Low, No Access Multiplier for retained access during disruptive events	Critical Areas/Facilities data (GIS overlay) + Trip Retention (RDR)
Economic Vitality	Modify current Economic Distress Factors, adding <u>new</u> submeasure	Maintains Access to Transportation-Vulnerable Communities During Disruptive Events	Project preserves access for vulnerable communities during disruptive events (supports equitable mobility and recovery).	High: ≥75% of distressed TAZs retain ≥90% trips Medium: 50–74% Low: 25–49% No Points: <25%	TAZ-Level Metrics (RDR Benefits Tool + Transportation-Vulnerable Communities data)
Project Viability	Modify Cost Effectiveness measure, adding <u>new</u> submeasure	Return on Investment (ROI)	Return on Investment (ROI) across scenarios (includes delay and repair costs savings).	High: ROI ≥ 2.0 Medium: 1.5–1.99 Low: 1.0–1.49 No Points: <1.0	ROI Analysis Tool (RDR: NPV / Cost)
Project Viability	<u>New</u> category: System Importance - <u>new</u> measure	Regret Score	Reflects the potential for regret if a project is not implemented under future hazard conditions. Higher scores indicate greater importance under robust decision-making scenarios.	High: Top 25% of scores Medium: Middle 50% of scores Low: Bottom 25% of scores No Points: Score=0	ROI Analysis Tool (RDR Regret Ranking)
Project Viability	<u>New</u> category: System Importance - <u>new</u> measure	Infrastructure Criticality	Importance of project to maintaining critical regional functions.	High Criticality Medium Criticality Low Criticality No Points	See Criticality matrix (informed by other prioritization measures)

PROPOSED CRITICALITY MEASURE: ROADWAYS

Measure Name	High Criticality (2 points)	Medium Criticality (1 point)	Low Criticality (0 points)
Future Usage (Volumes/Ridership) (double weight)	Top 25% of volumes/ridership (4 points)	25% to 75% volumes/ridership (2 points)	Bottom 25% volumes/ridership
Travel Time Reliability	Very High, High	Medium High, Medium, Medium Low	Low
Degree of Regional Impact	Regional	Multi-jurisdictional	Local
Incident Management/Evacuation Routes	Designated evacuation or incident mgmt route (or both evac and IM route)	Secondary evacuation support (or either evac or IM route)	No evacuation/incident management function
Labor Market Access	High	Medium	Low
Military Access	High	Medium	Low
STRAHNET	Yes	Military Roads	No
Port/Freight Access (Truck Zones)	High	Medium	Low
Impact to Freight Movement (Improved Delay for Port Facilities)	Very High, High (score >3)	Medium High, Medium (score 2 to 3)	Low, Very Low (score <2)
Tourism Access	High	Medium	Low
Access to High Unemployment/ Low-Income Areas	>7	7 to 3	<3
Functional Class	Interstate/Freeway/ Expressway/ Principal Arterial	Minor Arterial/Major Collector (Secondary)	Minor Collector/Local

ROADWAY CRITICALITY	
18-26 points	High Criticality
9-17 points	Medium Criticality
0-8 points	Low Criticality

PROPOSED CRITICALITY MEASURE: INTERMODAL

Measure Name	High Criticality (2 points)	Medium Criticality (1 point)	Low Criticality (0 points)
Future Usage (Volumes/Ridership) (double weight)	Top 25% of volumes/ridership (4 points)	25% to 75% volumes/ridership (2 points)	Bottom 25% volumes/ridership
Travel Time Reliability	Very High, High	Medium High, Medium, Medium Low	Low
Degree of Regional Impact	Regional	Multi-jurisdictional	Local
Labor Market Access	High	Medium	Low
Impact on Truck Movement	>11 points	4 to 11 points	<4 points
Increased Access for Port Facilities	Yes	N/A	No
Improved Access to Truck Zones	High	Medium	Low

INTERMODAL CRITICALITY	
12-16 points	High Criticality
6-11 points	Medium Criticality
0-5 points	Low Criticality

PROPOSED CRITICALITY MEASURE: TRANSIT

Measure Name	High Criticality (2 points)	Medium Criticality (1 point)	Low Criticality (0 points)
Future Usage (Volumes/Ridership) (double weight)	Top 25% of volumes/ridership (4 points)	25% to 75% volumes/ridership (2 points)	Bottom 25% volumes/ridership
Percent of Trips Removed from Roadways	High	Medium	Low
Degree of Regional Impact	Regional	Multi-jurisdictional	Local
Labor Market Access	High (score 14-20)	Medium (score 7-13)	Low (score 0-6)
Military Access	High (<0.25 miles)	Medium (0.25-0.50 miles)	Low (>0.50 miles)
Tourism Access	Direct	Near	Far
Access to High Unemployment/Low-Income Areas	20	10	0

TRANSIT CRITICALITY	
12-16 points	High Criticality
6-11 points	Medium Criticality
0-5 points	Low Criticality

PROPOSED CRITICALITY MEASURE: ACTIVE TRANSPORTATION

Measure Name	High Criticality (2 points)	Medium Criticality (1 point)	Low Criticality (0 points)
Future Usage (Volumes/Ridership) (double weight)	Top 25% of volumes/ridership (4 points)	25% to 75% volumes/ridership (2 points)	Bottom 25% volumes/ridership
Access to Transit or Regional Activity Centers	3+ categories	2 categories	1 or fewer categories
Degree of Regional Impact	Regional	Multi-jurisdictional	Local
Labor Market Access	High (score 14-20)	Medium (score 7-13)	Low (score 0-6)
Military Access	High (<0.25 miles)	Medium (0.25-0.50 miles)	Low (>0.50 miles)
Tourism Access	Direct	Near	Far
Access to High Unemployment/Low-Income Areas	20	10	0

ACTIVE TRANSPORTATION CRITICALITY	
12-16 points	High Criticality
6-11 points	Medium Criticality
0-5 points	Low Criticality